COMMUNICABLE DISEASE CENTER

POLIOMYELITIS

SURVEILLANCE

TABLE OF CONTENTS

SUMMARY

- I. CURRENT POLIOMYELITIS MORBIDITY TRENDS
- II. STATE REPORTS
- III. 1963 PARALYTIC POLIOMYELITIS
 REPORTED TO PSU
- IV. ROUTINE SURVEILLANCE
- V. ENTEROVIRUS SURVEILLANCE
- VI. POLIOVIRUS ISOLATIONS 1962

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE 중시는 1947년 중인 백합니다. 1819년 대한 1945년 1

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SUMMARY

A total of 62 cases of poliomyelitis, 57 paralytic, have been reported during the 6 week period ending November 23, 1963. The only States reporting more than five cases during this period were Florida (20), where an outbreak occurred in Duval County (Jacksonville), and Virginia (6), where 3 cases occurred in Goochland County. Accounts of these outbreaks are presented in Section II.

The cumulative total of poliomyelitis cases in the United States thus far in 1963 continues to remain well below that reported for a comparable period in any previous year.

Information on 230 of the 343 cases of paralytic poliomyelitis occurring thus far in 1963 is summarized in Section III. Of the 220 paralytic cases with vaccination status known, 65% were unvaccinated whereas 20% had received 3 or more doses of inactivated vaccine. A listing of cases occurring within 30 days of oral vaccination in 1963 is presented in Section IV.

Of 112 poliovirus isolations reported thus far in 1963, 75.9% are Type I, 5.4% are Type II, and 18.7% are Type III. These proportions are comparable to those of previous years as shown in Section VI.

A tabulation of the 425 non-polio enterovirus isolates reported to the Poliomyelitis Surveillance Unit thus far in 1963 is presented in Section V. A high proportion (22%) of Coxsackie B₁ isolates have been reported.

I. CURRENT POLIOMYELITIS MORBIDITY TRENDS

During the six-week period ending November 23, 1963, a total of 62 cases of poliomyelitis (57 paralytic) were reported. The greatest number of cases were reported from Florida where 20 cases have occurred in Duval County (Jacksonville). This outbreak is described in Section II. Virginia accounted for 6 cases, 3 occurring in Goochland County among persons living in close proximity. This is also discussed in Section II. There were no other clusters of cases during this six-week period.

The cumulative totals for 1963 and the preceding four years are presented below. The current total continues to be less than one-half the total for any previous year.

Poliomyelitis (Cumulated Weekly) through the 47th Week for 1963 and the Past Four Years

	1963	1962	<u>1961</u>	1960	1959		
Paralytic	343	653	822	2137	5387		
Total	401	826	1262	3065	8134		
					or these ca		

The six-week totals for the current year and the past four years, presented in the following table, also reveals the current incidence well below any previous year.

Six Week Totals (42nd through 47th Week) for 1963 and the Past Four Years

orida (20), where Virginia (6), where	1963	1962	1961	1960	1959
Paralytic	aged 57 to	120	. v. 161	385	872
lator	62	151	235		
United States thus		Ro similar	asorrod ro	TERROR SATA	Assumed DADE

II. STATE REPORTS

Information on 230 of the 3%3 cases of paralytic pol shroll: .A courring thus far in 1963 is summarized in Section III. Of the 220 p

Twenty-one cases of poliomyelitis, including 20 paralytic cases, have been reported from Duval County (Jacksonville) thus far in 1963 by Dr. C.M. Sharp, Assistant State Health Officer, Whouldh State Board of Health. There have been 3 deaths. Type I poliovirus has been isolated from 15 cases including the 3 fatalities. Onset dates and product the status of the cases are shown graphically on page 3. Following the occurrence of two cases in July, there were no cases until September 29. Eighteen additional cases occurred during the ensuing 6 week period Additional suspect cases are under surveillance in Jacksonville.

Geographically, the cases were widely scattered throughout both the city of Jacksonville and Duval County. Eighteen of the twenty-one cases occurred among Negroes. Of the 17 cases with known immunization history, all but 2 were inadequately immunized. The age distribution of the cases is of interest in that 18 of the 21 cases occurred in preschool age children and of this group, thirteen cases occurred in children 2 years of age or younger. The cases are shown by age and inactivated vaccine status in the following table:

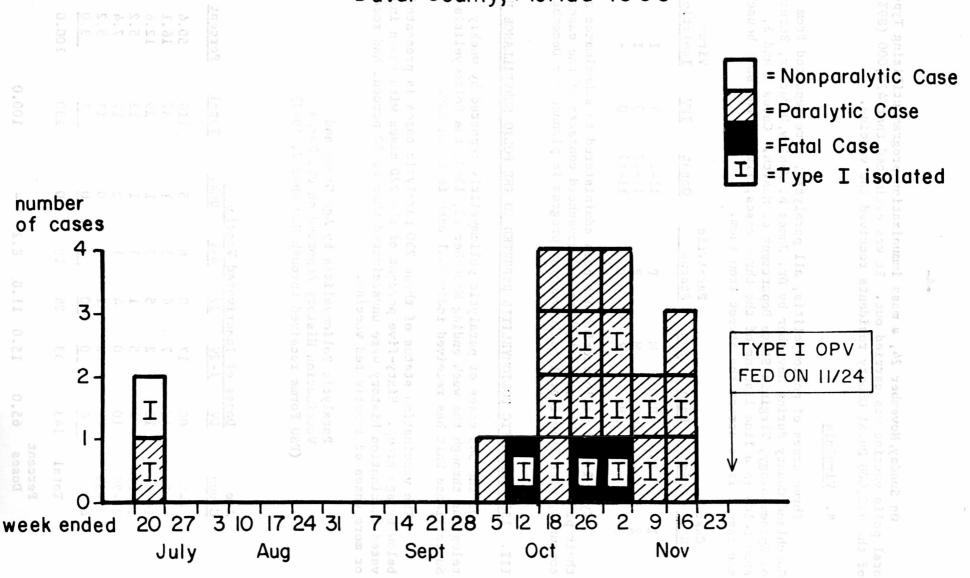
Poliomyelitis by Age and Inactivated Vaccine Status*

Duval County, Florida (Jacksonville) 1963

Age		Doses	of Vacc	ine	during th		DSTORE C
Group	<u>ov</u>	<u>1-2V</u>	<u>3V</u>	4+	Unk	Total	
ur years are han one-' l> lf	ing io le l s t	ed 0	ntOnues	os ó s:	of Openi	The cu	d below.
1	4	0	0	1	. TROT SU	olvelg ₅ Y	de Tol I
2	5	1	0	0	1	7	
3 deek	4100	adul dan	orday (y		umulated		
4	0	8 0 9 Y	100 01	0	ं क्षित्र इवेह	1 101 1	
5-9	0	0	0	0	1**	1	
10-19 9391	000	0 0	0	1 &	0	1.041	
20+	1	0_2	<u>0</u> 822	<u> </u>	<u> </u>	ξΔξ <u>1</u>	sralycio
Total	12	2	1.062	2	4 82	104 21	

^{*} None of these cases are known to have received oral polio vaccine ** Non-paralytic case

POLIOMYELITIS - By Week of Onset Duval County, Florida 1963



On Sunday, November 24, a mass immunization program utilizing Type I oral polio vaccine was carried out. It was estimated that 420,000 (89%) of the 470,000 Duval County residents received the vaccine.

B. Virginia

Three cases of poliomyelitis, all paralytic, were reported from Goochland County during November by Dr. James B. Kenley, Director, Bureau of Epidemiology, Virginia State Department of Health. Cases 2 and 3, show below in a line listing of the three cases, live in the same household and case 1 lives across the street from them.

Case No.	Age	Race	Sex	Paralytic Status	Onset	IPV	Virus <u>Isolation</u>
1	15	N	М	P	11-11	3	ı
2	8	N	M	P	11-12	0	1
3	7	N	F	P	11-19	0	-

Type I oral polio vaccine has been administered to schoolmates and their preschool siblings, neighbors and household contacts of the cases. A community wide Type I oral polio vaccine program is planned for December 8.

III. 1963 PARALYTIC POLIOMYELITIS REPORTED TO THE POLIO SURVEILLANCE UNIT

Of the 343 cases of paralytic policyelitis reported by weekly telegrams through the week ending November 23, 1963, the Policyelitis Surveillance Unit has received individual case forms on 230.

The vaccination status of these 230 paralytic cases is presented below by age group. Sixty-five percent of the 220 cases with known inactivated vaccination history were unvaccinated whereas 20 percent had received 3 or more doses of inactivated vaccine.

Paralytic Poliomyelitis by Age Group and Vaccination History Reported on PSU Forms (PSU Forms received through November 2, 1963)

Age	Doses	Doses of Inactivated Vaccine											
Group	OV	1-2V	<u>3V</u>	<u>4+V</u>	Unk.	Total	Percent						
0-4	80	17	8	6	5	116	50.4						
5-9	18	7	6	5	1	37	16.1						
10-14	18	2	5	3	1	29	12.6						
15-19	4	5	1	1	1	12	5.2						
20-29	10	0	4	1	2	17	7.4						
30-39	700-0	2	2	201 a	0	12	5.2						
40+	6	<u> </u>	_0	1	_0	_7	3.0						
Total	143	33	26	18	10	230	100.0						
Percent													
Doses	65.0	15.0	11.8	8.2	Stole	100.0							

Through November 2, 1963, the Poliomyelitis Surveillance Unit has received the results of virological studies performed on specimens from 131 (52%) of the 250 total cases of poliomyelitis reported on PSU forms. Poliovirus was isolated from 112 (85.5%) of the 131 cases. Of these, 85 are Type I, 6 are Type II, and 21 are Type III polioviruses.

Sixty-nine percent of the Type I isolates have been reported from Alabama, Michigan, Pennsylvania and Virginia. Areas in each of these states have had Type I outbreaks during the current year. Isolations are shown by State in the following table:

	Polic	virus Is	olations		
State	I	II	III an	Tota	<u>l</u>
Alabama	6	0	2 1051 96	asomennii riguo6a	
Arizona	2	0		vsp 03 ministr 29	
California	1, 1		Lland ountl		
Connecticut	0	1	0 ′	1	
Florida	1	0.0	o lia laseas	n 2 ce of the 29 c	
cert (No. 281, Octob				n reported since	
Georgia	0	0 0	nusmus 2000 s	19860 88 11AR 20	
Idaho	ligyyyd2 <mark>1</mark> aid	0.	od toOthe Po.	itroger sesso 📭	
Illinois	odiol o 5 dos	, a 0 be	olso Oresent	918 BOBBO 52 51	
Indiana	1	0	I vac@ine re	ex b up and bygo o	by age g
Louisiana	2	0	2	4	
an yd bedaelbul o	•	el cappida	oscurred in	dadi esaso paddi	
Maine Massachusetts	0 1	ig Ot a	ses occurrin	so gaibuleza 1.	48179786
Michigan	13	2010	accine and 7	v 1870 I 40012	receini
Minnesota	0	. Teh 90 1	ers of age o	14. vere 20 ye	oral vac
Miccicaioni	2	0	0	2	
programme adds		U (_	2	
New Jersey		0	O O	Anunon	State
New Mexico	ī	0	0	Bacramento	
None Words	0	1	M 0 85	Los Angeles	
Ohio	^	0	2	operpost of 2	Rifen
Pennsylvania	31	1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	33	71(a)
	n n 1.7		X .som 01	age to	11120
South Carolina	1	1	670	2	
Tennessee	3	0	1 1 1	eni leunav.4	
Texas	1	0	2	Sabras 3	
Virginia	9	0	0.50	gadana 9	
Washington	1	731	0 75	some this 2	. PagM
		05-6	9 (
West Virginia	0	21.01	M 2 M	S acion 3	
Wisconsin	2	<u> </u>	13 <u>0</u> 1	ni qənn <u>ə 2</u>	
Total I	85	8-36	21	Delaware* 112 uylkili	
Percent	75.9	5.4	18.7	100.0	
					Shippy A

IV. ROUTINE SURVEILLANCE

A. Cases Occurring within 30 Days Following Inactivated Vaccine

Two cases of paralytic poliomyelitis, occurring within 30 days following inactivated vaccine, have been reported to the Poliomyelitis Surveillance Unit during 1963. A line listing is presented below:

State	roper report lo <mark>County</mark> il a. loal .reey:	Age	Sex	Onset	Vacc.	(Days)	IPV	Status_
Michigan	Monroe	3	F 10	4-28	4-23	d od 5 ni	94838	yd s p ode er
Virginia	Dinwiddie	1	F	9-7	8-28 amiyol	10	1	P
			UHULJ	DIUGI	C3 47 3 34 37 57 3			

B. Cases Occurring within 30 Days Following Oral Vaccine

Through November 2, 1963, 29 cases of policyllitis (27 paralytic), occurring within 30 days following oral vaccine, have been reported to the Policyllitis Surveillance Unit on individual case forms.

Three of the 29 cases, all paralytic and all following Type I vaccine, have been reported since the last issue of the PSU Report (No. 281, October 28, 1963). All 29 cases are summarized below in a line listing of under 30-day OPV cases reported to the Poliomyelitis Surveillance Unit during 1963. These cases are also presented in a table following the line listing by age group and type of vaccine received.

Those cases that occurred in epidemic areas are indicated by an asterisk. Excluding cases occurring in epidemic areas, 5 of the 8 cases receiving Type I oral vaccine and 7 of the 11 cases receiving Type III oral vaccine were 20 years of age or older.

	7	0		0	Date	Intv.	Type	Doses	Para.	
State	County	Age	Sex	Onset	Fed	(Days)		IPV	Status	
Calif.	Sacramento	38 0	M	1-24	1-13	11	III	0	P	
Calif.	Los Angeles	34	M	3-1	2-9	20	III	0	P	
Calif.	San Francisco	21 §	M	5-28	5-20	8	III	Unk.	P.	
Calif.	Shasta	2	M	3-26	3-10	16	III	wov.3/es	P	
Calif.	Kings	10 mos.	M	4-1	3-10	22	III	0	P	
Idaho	Ada	47	M	3-12	3-10	2	P T	0	P	
La.	Evangeline	10	M	2-14	2-10	4	I	Unk.	P	
La.	Rapides	4 5	M	³ 4-14	4-7	7	I	5	P P	
Maine	Kennebec	43	M	○5-8	4-21	17	I	0	P	
Mass.	Middlesex	27	F	6-7	5-19	19	III	no 4	P P	
Mich.	Kent*	1	F	9-23	9-21	2	I.	Unk.	P	
Minn.	Anoka	24	M	9-15	9-1	14	I	11313V	P	
Minn.	Hennepin	19	M	5-27	5-13	14	III	0	P	
Pa.	Delaware*	3	F	10-1	9-29	2	I	2	P	
Pa.	Schuylkill	30	M	6-8	5-25	14	III	0	P P	
	The 12 can be a second of the 12 can be a se									

State	County	Age	Sex	Onset	Date Fed	Intv. (Days)	Type Fed	Doses IPV	Para. Status
Pa.	Perry*	12	M	6-24	6-22	2	I	0	de 150 ,, P , :
Pa.	Perry*	510 2 0 2 4 DA	M	6-23	6-22	1	1	0	NP
Pa.	Cumberland*	9	M	6-23	6-22	1	I	0	P
Pa.	Cumberland*	4	F	6-27	6-22	5	I	4	P
Pa.	Cumberland*	11	F	6-27	6-26	1	I	0	P
Pa.	Cumberland*	6	F	6-29	6-22	7	I	0	P
Pa.	Cumberland*	4	° M	6-26	6-22	4	I	0	NP
Pa.	Cumberland*	4	F	7-2	6-22	10	I	0	P
Pa.	Luzerne	29	M	9-22	9-15	7	I	0	P
Tenn.	Montgomery	11 mos.	M	6-16	6-6	10	III	0	P
Texas	Bexar	20	M	1-25	1-13	12	III	0	P
Wash.	Yakima	61	F	3-17	3-3	14	I	0	P
Wisc.	Chippewa	18	M	3-26	3-16	10	I	Unk.	P
Wisc.	LaCrosse	38	F	5-4	4-21	13	III	3	r (fa, P]

^{*} Epidemic area

Under 30-day OPV Cases with Onsets in 1963 Only by Age Group and Type of Vaccine Received (Excluding epidemic areas)

Age		00	Type	of	Oral	Vac	cine	Receiv	red		
Group				Ī	-	II	yle.	III	NY		<u>Total</u>
0-4	-	,7		1		0	40	3	No.		4
5-9				0		0		0			0
10-14				1		0		0			1
15-19				1		0		1			2
20-29		11.0		2		0		3	ł		5
30-39		200		0		0		4		151	4
40+	M11			_3	1	0	***	_0			_3
Total				8		0		11			19

V. ENTEROVIRUS SURVEILLANCE

There have been 178 non-poliovirus isolations reported to the Poliomyelitis Surveillance Unit since the last issue of this report (PSU No. 281, October 28, 1963). A total of 425 isolations have now been reported thus far in 1963. These are tabulated by State and presented below.

Non-poliovirus Isolations from 1963 Specimens

	ECHO ECHO			Coxsackie						116. Pa.		
State	4	9	11	14	Other*	Ag		B ₂	B ₃	B ₅	Other**	Total
g Ö	Í	0.5	<u> </u>	2-0	7 =/	1		41	40			3
Alabama		7	_ <u>ĉ</u>	1-2	27-6	H .	10	67.	-	90	Tawar	10
California	28	1	2	4	8	3		an II	. V	TORK	10	69
Connecticut	3	2	1	1 × 1	1-23	3	-	95	1	-	TSX9A	11
Georgia	1	7	-	2 - 2	11-1	· -	4	J. C	_	-	561.21.8 3 	5
Balc. P	I		9	1-6	3-25	M		51				1 : 1
Idaho	LII.			Towary.	Fr and	Ψ	-	. 30	2	988	- -	2
Illinois	_	2	-	-	4	6	15	1	1	2		31
Kansas	_	1	15	-	4	1	18	-	_	1		40
Kentucky	1	11	-	-	-	-	-	-	1	-	-	13
Louisiana	y <u>î</u> n	ra <u>C</u> a	el_n	i 13	een g dii	4	4	3	b-0€	13b	nti 6	21
Massachusetts	_	2	1425	H au	topay To	3	17411	1	n 38	W Ke	_	6
Michigan	2	6	_ (Tas	idemic a	3 3	1 bu 7	XXX]	٠.	-	-	19
Minnesota	-	2	6	10	ccine Re	6	ı 7 .	- 4 5 0	T -	-	• 02A	34
Missouri	630	_	-	LL		II.		_	_	1	giera	1
New Mexico	_	4	-	_		·	-	_	_	_		4
New York	³ 3	23	_	2	3	24		2	_	_	7	64
Ohio	0 _	3	1	- 0	3	0 2		_	1	-	=1-01	14
Oregon	2 _	4	_	1	2	0				_	15-19	6
Pennsylvania	2	1	1	E	ī	0]		5	_		00-25 4: 00	9
South Carolina	1	-	•	- 77	-	0 -	70	_				1
Tennessee	See.	_	-	0	griden.	<u> </u>	3	_	1	-	04	5
Texas	61	7	_	- 1	1	5	9	2	1		Total	0.7
Utah			_	_	-	1			1	-	2	27
Vermont		_	_	_	_	1	_	1	-	-	2	3
Virginia		_	_	_		_	1	T	-	-	-	1
A TE STILL	_	-	_	_	_	_	1	-	-	-	-	1
Washington		8	-	1	-	3	_	1	_	-	1	14
Wisconsin		_1	1	_2			_3	_2			_5	14
TOTAL	39	78	27	22	35	65	95	18	8	4	34	425

^{*} ECHO virus isolations as follows: Calif.-1E₈, 2E₁₀, 1E₁₃, 1E₁₉, 1E₂₂, 2E₃₁; Ill. 2E₆, 2E₈,; Kansas-2E₆, 2E₈; La. 3E₁₇; Mich.-1E₆, 1E₁₅, 1E₂₂; Minn.-2E₅, 1E₆; N.Y.-1E₇, 1E₁₀, 1E₂₃; Ohio-1E₆, 1E₈, 1E₁₅; Oregon-2 ECHO type not determined; Pa.-1E₈; Texas-1E₅.

** Coxsackie virus isolations as follows: Calif.-1A6, 1A10, 1A16, 7B4; La.-5A2, 1B4; N.Y.-1A2, 1A3, 1A5, 3A23, 1B4; Pa.-1B4; Texas-2B4; Utah-2B4; Wash.-1B4; Wisconsin-4A unspecified, 1B4

VI. POLIOVIRUS ISOLATIONS - 1962 VE MONTA TORE REPREVENTED A MANAGEMENT

Reports of attempted virus isolations on specimens from 580 poliomyelitis cases with onset during the year 1962 were received by the Poliomyelitis Surveillance Unit of the Communicable Disease Center. This represents isolation attempts from 64 percent of the 909 cases reported to the Poliomyelitis Surveillance Unit.

Of the 580 specimens studied in 1962, 464 or 66 percent yielded a poliovirus. Of those with virus type specified, 344 (74.5%) were Type I and 110 (23.8%) were Type III. Type II was isolated from only 8 cases. The number of specimens studied and the type distribution for the past five years are shown in the following table:

	Total	Number	Percent	Poliov	irus	Type	Percent			
Year	Cases*	Studied**	Studied	1	2	3	. 1:0-1	2	3	
Undit	ensilis	ie Polio Surve	ij oj bajio	ases rep	o pus oblan	Sarary Sec.	mamasusų. Leonami	- ASES	1.5	
1958	6,125	2,470	0097 40 810	1,1/1	36	256	80.0	2.5	17.5	
1959	8,635	4,222 V	ald49 mi	2,464	W1183	300	° 88.8°	0.4	10.8	
1960	3,304	1,595 30	.6061 48 % on	813	2	281	74.2	0.2	25.6	
1961	1,356	735	54	290	68.8	185	60.3	1.2	38.5	
1962	909	580	64	344	8	110	74.5	1.7	23.8	

^{*} Cases reported as poliomyelitis on preliminary Poliomyelitis Surveillance Case Records.

The table below presents the percentage of specimens studied yielding a poliovirus by final classification of cases as reported to the Poliomyelitis Surveillance Unit from 1958 to 1962. This final classification is based upon a clinical examination sixty days or longer following onset of illness. A markedly higher percentage of virus isolations from paralytic cases with residual paralysis has been consistently observed in all years as shown in the following table.

^{**}Includes all cases on which one or more fecal specimens were examined for virus isolation. State and local health department laboratories and the laboratories in academic centers reported these results through State Epidemiologists to the Poliomyelitis Surveillance Unit.

PERCENT POLIOVIRUS ISOLATIONS BY FINAL CLASSIFICATION

a specimens from 580 1962 were received by the	Percent	of Specim	ens Yield	ling Pol	iovirus
Final Classification	1958	1959	1960	1961	1962
Nonparalytic, aseptic meningitis syndrome		llance Tr	is Survei	dillayer	lion sdt o
Paralytic, no residual paralysis paralysis	ikhoeda aqyi 8.9 5e II	1 BUTİV d 111 58•5 7	those wit	45.8	rtivoilog
Paralytic with residual	the follow	shown ir	years are	evil :	cases. The past 8.88
and the same of th	herating .	the some off	morina		

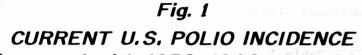
Of the 683 paralytic cases reported to the Polio Surveillance Unit in 1962, there were 397 poliovirus isolates reported. The geographic breakdown of these isolates was shown in Table IV of Poliomyelitis Surveillance Report No. 277, dated June 7, 1963. Of the Type I isolates, 31 percent were from Texas.

Studiedww

(For a more detailed presentation of poliovirus isolations and the occurrence of poliomyelitis during the years 1958-61, see: Surveillance of Poliomyelitis in the United States, 1958-61. Pub. Health Rep. 77:

**Includes all cases on which one or more fecal aperiment were examined for virus isolation. State and local health department laboratories end the inboratories in academic centers reported these results through State Epidemiologists to the Poliomyelitis Surveillance Unit.

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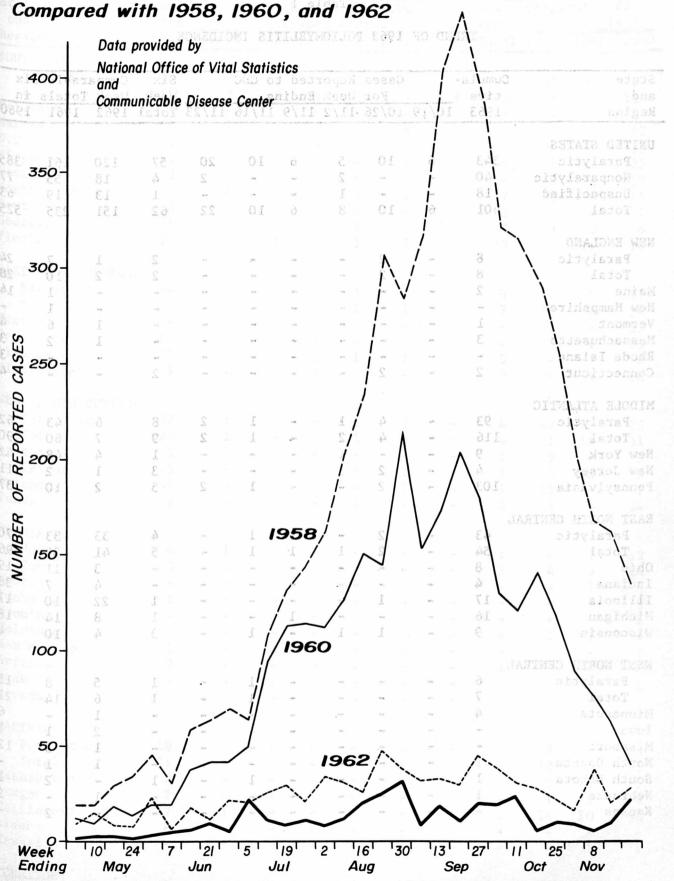


Table 1
TREND OF 1963 POLIOMYELITIS INCIDENCE

and Region UNITED STATES Paralytic Nonparalytic Unspecified Total NEW ENGLAND Paralytic Total Maine	343 40 18 401 8 8 2	6 - 6	10/26 10 - - 10	5 2 1 8	Endir 11/9 6 - 6	11/16 10 -	20 2	Week Total 57 4	120 18 13	1961 161 55	1960 385
UNITED STATES Paralytic Nonparalytic Unspecified Total NEW ENGLAND Paralytic Total Maine	343 40 18 401	6 - 6	10 - - 10	5 2 1	6 -	10	20 2	57 4	120 18	161 55	385
Paralytic Nonparalytic Unspecified Total NEW ENGLAND Paralytic Total Maine	40 18 401 8 8	6	10	2 1	-	-	2	4	18	55	
Nonparalytic Unspecified Total NEW ENGLAND Paralytic Total Maine	40 18 401 8 8	6	10	2 1	-	-	2	4	18	55	
Nonparalytic Unspecified Total NEW ENGLAND Paralytic Total Maine	40 18 401 8 8	6	10	2 1	-	-	2	4	18	55	
Unspecified Total NEW ENGLAND Paralytic Total Maine	401 8 8	6	10	1					-		
Total NEW ENGLAND Paralytic Total Maine	401 8 8	-			6	1.0		1	1.3	19	63
Paralytic Total Maine	8		2			10	22	62	151	235	52
Paralytic Total Maine	8		2								
Total Maine	8	_	_	-	, _	_	_	2	1	7	24
Maine		_	2	_	-	-	_	2	2	10	28
	_	-	V 🖺 🗆	_	-	_	_		-	1	14
New Hampshire	-	_		_	-	_	_	_	_	ī	΄.
Vermont	1	-	_	_	_	· .	_	_	1	6	1
Massachusetts	3		-	-	-	-	_	_	ī	2	, V
Rhode Island		_	_	_	_	_	_	_	•	_	(1) (4)
Connecticut	2	-	2	-	-	-	-	2	-	-	3 3
MIDDLE ATLANTIC											
Paralytic	93	**	4	1	_	1	2	8	6	43	6
Total	116	_	4	2	_	ī	2	9	7	60	9
New York	9	_	A L	1	_	_	_	í	4	48	4
New Jersey	4	\ _	2	ī	-	-	_	3	1	2	1
Pennsylvania	103	\-	2	- ¹ ,	-	1	2	5	2	10	3
EAST NORTH CENTRAL	L										
Paralytic	43	<u> </u>	2	-	1	1	-	4	33	33	7
Total	54	- "	2	1	ī	1	-	5	41	52	9
Ohio	8	-		_	\ <u>-</u>	_	-	_	3	11	1
Indiana	4	-	_	_	_	_	_	_	4	7	3
Illinois	17	-	1	_	_	_	-	1	22	10	1
Michigan	16	_	-	_	1		_	î	8	14	1
Wisconsin	9	-	1	1	- - \	1	-	3	4	10	
WEST NORTH CENTRAL	L										
Paralytic	6	-	-	_	-	1	-	1	5	8	1
Total	7	-	-	-	-	ī	-	ī	6	14	2
Minnesota	4	_	-	-	_			-	1	-	_
Iowa	_	-	_	_	_	_		_	2	1	
Missouri	_	_	-	_	_		_	_	1	8	1
North Dakota	1	-			_	_		<u>. 2</u> .	1	1	-
South Dakota	/ î		_		_	1	_	1	_	2	
Nebraska	ī			_	1. <u>I</u>		_		1	_	
Kansas	The Control of State	and a state of	-		-	1	_	100		2	

Table 1 (continued)

State	Cumula	- C	ases I	Report	ted to	CDC		Six	Compan Weeks	Table	s in
and	tive		For	Week	Endin	B		Week	weeks	1001	1960
Region	1963	10/19	10/26	11/2	11/9	11/16	11/23	Total	1962	1961	1900
SOUTH ATLANTIC				•							
Paralytic	78	3	2	1	3	4	17	30	15	31	107
Total	90	3	2	1	3	4	19	32	18	47	129
Delaware	1	_	-	-	-	_	-	-	-	-	-
Maryland	3	-	-	-	-	_	_	-	1	15	42
D.C.	í	_	_	_	_	-	-	-	•	-	3
	21	3	_	_	-	-	3	6	1	3	23
Virginia		3		-		_	-	-	9	8	19
West Virginia	3	-	-	-	-		1	2	3	4	15
North Carolina	5	-	-	-	-	1				4	7
South Carolina	8	-	1	-	-	-	1	2	-		6
Georgia	21	-	-	-	2	-	-	2	3	2	
Florida	27	-	1	1	1	3	14	20	1	11	14
EAST SOUTH CENTE	RAL										
Paralytic	66	-	-	3	1	1	1	6	12	6	27
Total	72	-	-	4	1	1	1	7	14	8	54
Kentucky	-	_	-	_	_	-	-	-	3	-	23
Tennessee	10	_	_	_	_	-	-	-	2	2	13
Alabassee	53	_	_	3	1	1	-	5	-	2	8
Alabama	9	-	_	1	-	Ī	1	2	9	4	10
Mississippi	9	-	_	1	_		•		•	•	
WEST SOUTH CENT	RAL				•	•			27	15	25
Paralytic	27	1	-	-	1	2	-	4			3
Total	28	1	-	_	1	2	-	4	41	18	
Arkansas	5	1	-	-	-	-	-	1	9	4	:
Louisiana	15	-	-	-	-	1	-	1	5	10	:
0klahoma	1	-	-	-	-	1	-	1	13	-	:
Texas	7	-	-	-	1	-	-	1	14	4	2
MOUNTAIN											
Paralytic	4	1	-	-	-	-	-	1	4	2	1
Total	5	1	_	_	_	_	-	1	4	3	2
Montana	_	-	_	_	_	_	-	-	_	1	
Idaho	1	_	_	_	_	_	_	-	-	_	
	1	_	_	_	_	_	_	_	-	_	
Wyoming	-	-	-	-	_	_	_	_	1	2	
Colorado	-	-	-	-	-	-	-	_	2		
New Mexico	1	-	-	-	-	-	7	-		_	
Arizona	3	1	-	-	-	-	-	1		-	
Utah	-	-	-	-	-	-	-	-	1	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
PACIFIC											
Paralytic	18	1	-	_	-	-	-	1			4
Total	21	1	_	-	_	-	-	1	. 18		5
Washington	2	_	_	_	-	-	-	_	3	9	
Oregon	2	_	_	_	_	_	_	_	. 1	3	
Oregon	17	1	_	_	_	_	-	1			4
California	1/	1	-	_	_	_	_			-	
Alaska	-	-	-	-	-	-	_	_		1	
Hawaii	-	-	-	-	-	-	•		_	1	
TERRITORY										1	2
Puerto Rico	5	-	-	· -	_	-				Т	S. propie ser

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Key to all disease surveillance activities are those in each State who serve the function as State epidemiologists. Responsible for the collection, interpretation and transmission of data and epidemiological information from their individual States, the State epidemiologists perform a most vital role. Their major contributions to the evolution of this report are gratefully acknowledged.

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